The role of double covalent flavin binding in chito-oligosaccharide oxidase from Fusarium graminearum

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SUPPLEMENTARY ONLINE DATA

The role of double covalent flavin binding in chito-oligosaccharide oxidase from *Fusarium graminearum*

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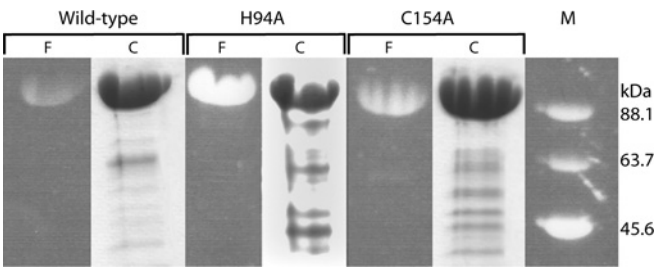

Figure S1 SDS/PAGE of >95% purified wild-type m-ChitO and the m-ChitO mutants H94A and C154A

The gel was analysed for fluorescence (lanes marked F) and subsequently stained with Coomassie Brilliant Blue (lanes marked C). The fluorescent molecular marker (M) is home-made and consists of MBP-AldO (alditol oxidase) (88.1 kDa), VAO (63.7 kDa) and AldO (45.6 kDa).

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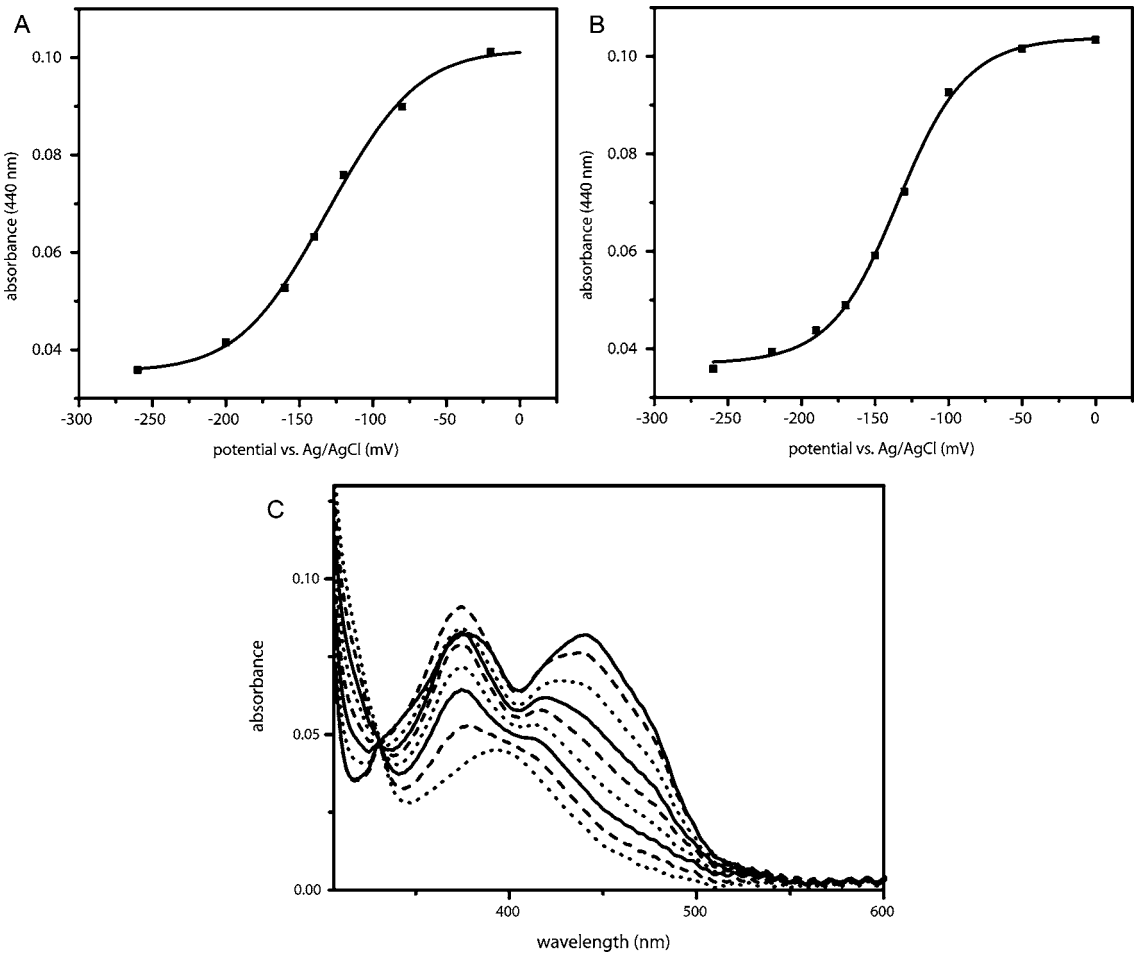

Figure S2 Redox measurements of wild-type m-ChitO fitted with eqn (4)

(**A**) Oxidation of wild-type m-ChitO. (**B**) Reduction of wild-type m-ChitO. (**C**) Selection of representative spectra during titration of wild-type m-ChitO during reduction.

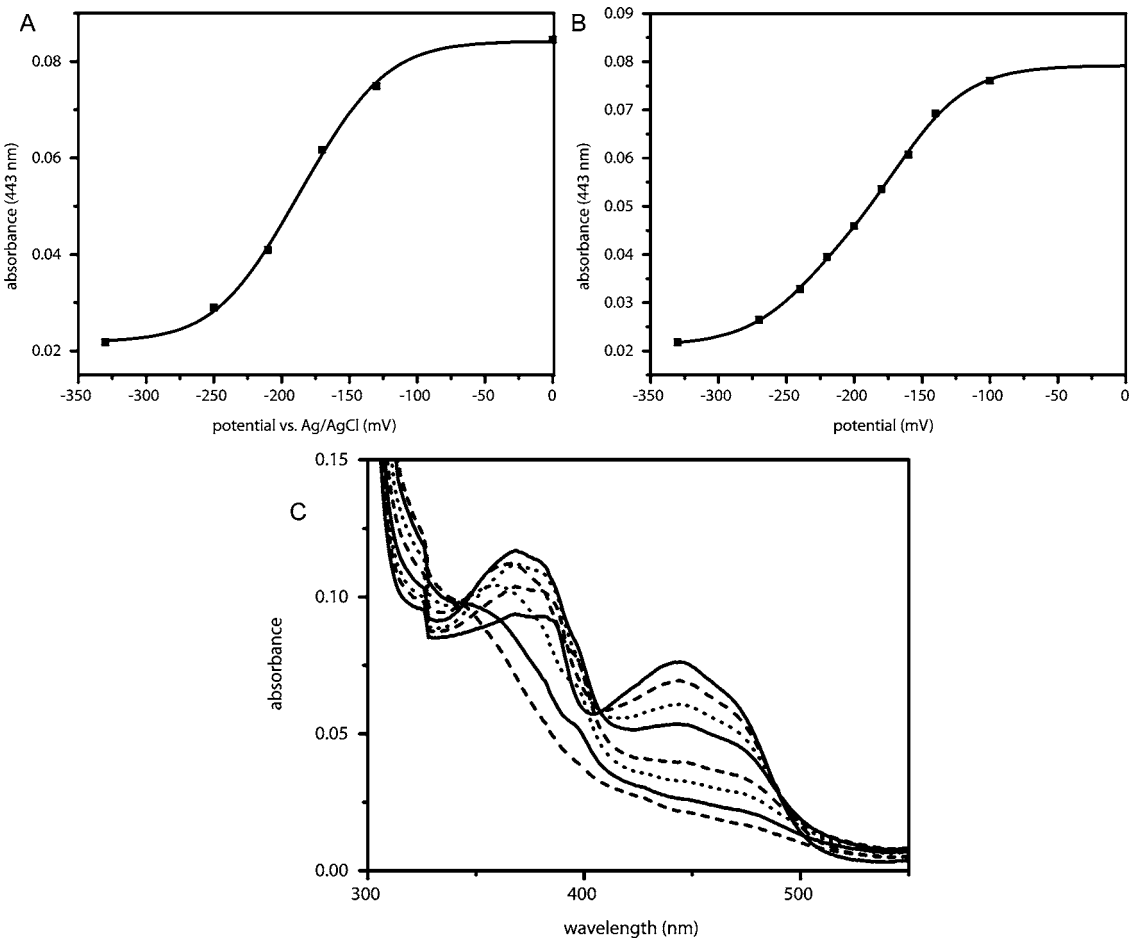

Figure S3 Redox measurements of C154A m-ChitO fitted with eqn (4)

(**A**) Oxidation of C154A m-ChitO. (**B**) Reduction of C154A m-ChitO. (**C**) Selection of representative spectra during titration of C154A m-ChitO during reduction.

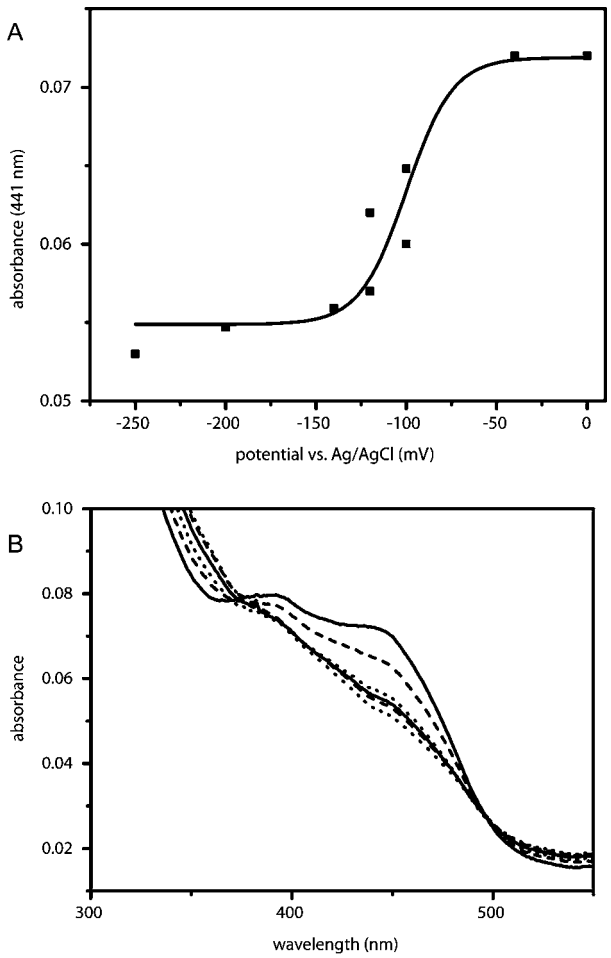

Figure S4 Redox measurements of H94A m-ChitO fitted with eqn (3)

(**A**) Reduction of H94A m-ChitO. (**B**) Selection of spectra during titration of H94A m-ChitO during reduction.

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